

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995	
				3b. CFDA: 12.300	
4. AWARD NO.: N00014-16-1-2903		1. INSTRUMENT TYPE: Grant Award		3c. DUNS NUMBER: 052184116	
8. ACTIVITY/AGENCY PROPOSAL NO.: GRANT12000113		2. AUTHORITY: 10 USC 2358 and 31 USC 6304, as amended		7. PR NO.: 1000005319	
5. MODIFICATION NO.:		6. MODIFICATION TYPE: NEW		12. PROGRAM TYPE: DURIP	
9. RECIPIENT PROPOSAL NO.:		10. PROPOSAL DATE: 09/25/2015		11. ACTIVITY TYPE: R&D	
13. ISSUED TO 13a. ADDRESS:		13b. CAGE: 97668		13c. ED/EFT NUMBER: N/A	
13d. BUSINESS OFFICE CONTACT: Judy Coyle		13e. TELEPHONE NUMBER: 4122685597		13f. EMAIL ADDRESS: jcoyle@andrew.cmu.edu	
14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13):  Same as Block # 13		15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: GPU-Computer Cluster System to Enable Deep-Learning Research for Robotic Perception and Motion Planning Algorithms			
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:				\$0.00	
OBLIGATED BY THIS ACTION:				\$177,451.00	
TOTAL OBLIGATED ON AWARD:				\$177,451.00	
FUTURE FUNDING:				\$0.00	
GRANT TOTAL:				\$177,451.00	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A		18. PERIOD OF PERFORMANCE 08/15/2016 THROUGH 08/14/2017			
19. ACCOUNTING AND APPROPRIATION DATA: See Attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: Scott Sanders		21. TECHNICAL REPRESENTATIVE 21a. NAME: MARC STEINBERG		21b. CODE: 351	
20b. TELEPHONE NUMBER: 608-262-3540		20c. EMAIL ADDRESS: STSANDERS@WISC.EDU		21c. ADDRESS: AEROSPACE SCIENCE RESEARCH DIV 875 N. Randolph Street Arlington VA 22203-1995	
21d. TELEPHONE NUMBER: 7036965115		21e. EMAIL ADDRESS: MARC.STEINBERG@NAVY.MIL		22. AWARDING OFFICE CONTACT 22a. NAME: ELIZABETH FORD	
22b. CODE: BD025		23a. ADMINISTRATIVE OFFICE: ONR REG Office Chicago Telephone: (312) 886-5423 230 South Dearborn CHICAGO IL 60604-1595		23b. CODE: N62880	
22c. ADDRESS: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995		22d. TELEPHONE NUMBER: 703-696-2576		22e. EMAIL ADDRESS: ELIZABETH.FORD@NAVY.MIL	
24. SUBMIT PAYMENT REQUEST TO: Same as block 23a		25a. PAYING OFFICE: DFAS-CO/NORTH ENTITLEMENT OPERATIONS HQ0337 PO Box 182266 COLUMBUS OH 43128		25b. CODE: HQ0337	
26a. PATENT OFFICE: Office of Naval Research ATTN: ONR BDCC One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995		26b. CODE: N00014			

AWARD NO. N00014-16-1-2903		<b>AWARD/MODIFICATION</b>		MODIFICATION NO.	
27. SPECIAL INSTRUCTIONS: See Special Requirements on Page 5					
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: <a href="http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx">http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx</a>					
Full Delegation					
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.					
DOCUMENT		URL			
<p>The following documents may be found at :</p> <p><a href="http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx">http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx</a></p> <p>DOD RESEARCH AND DEVELOPMENT GENERAL TERMS AND CONDITIONS (OCT 2015)</p> <p>UAAC ACCEPTANCE C (NOV 2003)</p> <p>UAWA AWARD A (NOV 2003)</p> <p>STANDARD TERMS/CONDITIONS FOR RESEARCH GRANTS (AGENCY SPECIFIC) (FEB 2015)</p> <p>SPECIAL TERMS AND CONDITIONS (DURIP NON FDP REPORTS ARTICLE JULY 2008)</p>					
30. OPTIONS	OPTION NO.	AMOUNT		PERIOD	
	(1)				
	(2)				
	(3)				
	(4)				
31. REPORTS: The following reports must be submitted to the indicated addressees, in the indicated quantities, within 90 days following the expiration or termination of the project. Final Technical Reports must have a SF298, Report Documentation Page, accompanying them. Unless otherwise stated in the award/modification, complete Block 12a of the SF298 as follows: "Approved for Public Release; distribution is Unlimited".					
ADDRESSEE		REPORT TYPE		COPIES	
See block #21		Final Equipment List/Performance Report		1	
		Final Federal Financial Status Report - SF425 - Including Line Item 11		1	
See block #23a		Final Federal Financial Status Report - SF425 - Including Line Item 11		1	
		Final Equipment List/Performance Report		1	
Defense Technical Information Center 8725 John J Kingman Road Ste 0944 Fort Belvoir, VA 22060-6218					
See block #26a					
Naval Research Laboratory ATTN: CODE 5596 4555 Overlook Avenue SW Washington, DC 20375-5320					
32. FOR THE RECIPIENT:			33. FOR THE UNITED STATES OF AMERICA		
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN			33a. SIGNATURE OF AWARDOFFICER Digitally signed by ELIZABETH FORD 1057503684 Dated: 2016.07.08 12:53:53 EST		
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER		33c. DATE SIGNED
			ELIZABETH FORD		07/08/2016

# FINANCIAL ACCOUNTING DATA SHEET- NAVY

1 CONTRACT NUMBER (CRITICAL) N00014-16-1-2903			2 SPIN (CRITICAL)		3 MOD (CRITICAL)			4 PR NUMBER 1000005319							
CLINISLIN	6. LINE OF ACCOUNTING												7. AMOUNT (CRITICAL)	NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A ACRN (CRITICAL)	B APPROPRIATION (CRITICAL)	C SUBHEAD (CRITICAL)	D OBJ CLA	E PARM	F RFM	G SA	H AAA (CRITICAL)	I IT	J PM	K COST CODE				
											PROJ UNIT	MCC			PDI &SUF
	AA	1761319	W1HZ	410	00	014	0	050120	2D	000000	000016	848	954	\$177,451.00	
PAGE TOTAL														\$177,451.00	
GRAND TOTAL														\$177,451.00	
PREPARED/AUTHORIZED BY						COMPTROLLER APPROVAL FOR FISCAL DATA AND SIGNATURE									
DATE						BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED									

**FINANCIAL ACCOUNTING DATA SHEET-NON-NAVY DoD ACTIVITIES**

1 CONTRACT NUMBER (CRITICAL) N00014-16-1-2903		2 SPIIN (CRITICAL)		3 MOD (CRITICAL)		4 PR NUMBER 1000005319		
5. CLIN/SLIN	6 ACRN (CRITICAL)	7 ACCOUNTING CITATION				8 AMOUNT (CRITICAL)		NAVY INTERNAL LISE ONLY REF DOCIACRN
						PAGE TOTAL		
						GRAND TOTAL		
PREPARED/AUTHORIZED BY					COMPTROLLER APPROVAL FOR FISCAL DATA AND SIGNATURE BY _____for COMPTROLLER,ONR CONTRACT REVIEWED DATE _____			
DATE								

AWARD NO. N00014-16-1-2903	<b>SPECIAL REQUIREMENTS</b>	MODIFICATION NO.	
<p>The Following payment instructions are hereby added:</p> <p>Grantee:</p> <p><b>NUMBERING OF VOUCHERS SUBMITTED TO MOCAS PAYMENT OFFICES</b></p> <p>Invoices submitted to this payment office must be submitted using the following format:</p> <ol style="list-style-type: none"><li>1. Voucher numbers must begin with BVN</li><li>2. Voucher numbers must be 7 characters</li><li>3. The format must be BVNX###, where X = Alphanumeric and # = Numeric</li></ol> <p>Payment Office:</p> <p>The payment office shall make payment in sequential ACRN order within the award, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric; numeric/alpha; and numeric/numeric ACRN sequence.</p>			